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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/578,933	05/08/2006	Stephen Townsend	GB03 0201 US1	4533
65913	7590	09/08/2008	EXAMINER	
NXP, B.V. NXP INTELLECTUAL PROPERTY DEPARTMENT M/S41-SJ 1109 MCKAY DRIVE SAN JOSE, CA 95131			NGUYEN, NGA X	
			ART UNIT	PAPER NUMBER
			3662	
			NOTIFICATION DATE	DELIVERY MODE
			09/08/2008	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ip.department.us@nxp.com

Office Action Summary	Application No. 10/578,933	Applicant(s) TOWNSEND ET AL.	
	Examiner NGA X. NGUYEN	Art Unit 3662	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 August 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 January 2008 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Supervisory Patent Examiner, Art Unit 3662 Drawings Objection

1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. The following features are not shown together

- GPS antenna, RF front-end, A/D converter, GPS signal samples containing IF modulated.

Therefore, the features for a Beam GPS receiver from claims 1-20 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as “amended.” If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency.

Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either “Replacement Sheet” or “New Sheet” pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claim 1-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Brown (5379224).

With regard to claim 1, Brown teaches:

- A GPS antenna and GPS RF front-end including an A/D converter for sampling received GPS signals (see column 5-6, lines 8-30)
- Wherein the resulting GPS signal samples contain an IF signal which remains modulated (see column 5, lines 30-57)
- A processor for outputting the GPS signal samples together with ancillary and/or the GPS signals which relate to the GPS receiver (see column 5, lines 30-45)
- Wherein the ancillary information allows GPS signal processing software to adapt to characteristics of the GPS receiver (see column 5, lines 62-67)

With regard to claim 2-5, Brown teaches that the GPS signal samples and ancillary information are outputted to an external device. Wherein the ancillary information relating the type or identity, GPS signal of the GPS receiver (see column 6-7, lines 63-15)

With regard to claim 6, Brown teaches that the ancillary information relating to the GPS samples outputted by the GPS receiver (see column 6, lines 63-68)

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With regard to claim 7, Brown teaches that the ancillary information includes either the outputted GPS signal carrier frequency or bandwidth, the GPS signal sample format, rate or resolution, the image sign, the oscillator type or oscillator stability parameters, or antenna type (see column 5, lines 30-45)

With regard to claim 8, Brown teaches that a user input means with which the user is able to directly select one of a plurality of operating modes of the GPS receiver (see column 7, lines 1-15)

With regard to claim 9 & 17-20, Brown teaches

- Receiving from a GPS receiver signal samples of a GPS signal (see column 6, lines 63-67).
- The samples containing an IF signal which remains modulated and being received together with ancillary information describing characteristics of the GPS signal samples and the GPS signals which relate to the GPS receiver wherein the ancillary information allows GPS signal processing software to adapt to characteristics of the GPS receiver (see column 8, lines 4-23)
- Processing the GPS signal samples using the ancillary information to determine a position fix (see column 5, lines 45-61)

With regard to claim 10, Brown teaches that the GPS signal is a spread spectrum signal and wherein the ancillary information is used to assisted depreading of the GPS signal (see column 5, lines 40-45).

With regard to claim 11, Brown teaches the GPS signal samples and ancillary information are received from an external device (see column 6, lines 63-68)

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With regard to claim 12 -14 Brown teaches that the GPS signal samples and ancillary information are outputted to an external device. Wherein the ancillary information relating the type or identity, GPS signal of the GPS receiver (see column 6-7, lines 63-15)

With regard to claim 15, Brown teaches that the ancillary information relating to the GPS samples received/output by the GPS receiver (see column 5, lines 45-61)

With regard to claim 16, Brown teaches that the ancillary information includes either the outputted GPS signal carrier frequency or bandwidth, the GPS signal sample format, rate or resolution, the image sign, the oscillator type or oscillator stability parameters, or antenna type (see column 6, lines 43-62).

Response to Amendment

3. Applicant's arguments with respect to claims 1 & 9 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NGA X. NGUYEN whose telephone number is (571)272-5217. The examiner can normally be reached on 8:00AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TARCZA H. THOMAS can be reached on (571) 272-6979. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

NGA X NGUYEN
Examiner
Art Unit 3662

NXN

/Thomas H. Tarcza/
Supervisory Patent Examiner, Art Unit 3662